

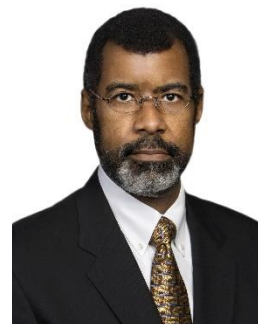


Department of  
Engineering Physics  
UNIVERSITY OF WISCONSIN-MADISON

INSTITUTE FOR  
**N**UCLEAR  
ENERGY SYSTEMS

*Presents:*

William D. MAGWOOD, IV  
Director-General  
OECD Nuclear Energy Agency (NEA)



## **The Challenge: Global Deployment of Small and Advanced Reactors**

**Abstract:** DG Magwood will provide an overview of the key drivers that have encouraged countries around the world to pursue SMRs and what challenges lay ahead. He will focus on the technology development, institutional, economic, and regulatory issues that will determine whether these new technologies will prove successful. He will highlight the work that the NEA is doing to address these issues as well as the Agency's efforts to support the education of the new generation of engineers and scientists.

**Biography:** Mr Magwood took up his duties as Director-General of the Nuclear Energy Agency (NEA) on 1 September, 2014. He has extensive experience in both the regulatory and developmental aspects of nuclear energy, including at the international level. From 2010 to 2014, he served as one of the five Commissioners appointed by the US President and confirmed by the US Senate to the US Nuclear Regulatory Commission (NRC). While a commissioner, he advocated the importance of nuclear regulatory independence and the necessity of maintaining strong, credible and technically sound nuclear regulation in the United States and all countries that use nuclear power. Prior to his appointment at the NRC, from 2005 to 2010 he provided independent strategic and policy advice to US and international clients on energy, environment, education, and technology policy issues. From 1998 to 2005, Mr Magwood was Director of the US Government's civilian nuclear energy programme at the US Department of Energy (DOE). During his tenure, he established the Idaho National Laboratory; created activities that reversed the decline of US nuclear technology education; and launched important initiatives such as the Generation IV International Forum (GIF) and the US "Nuclear Power 2010," which helped restart nuclear plant construction in the United States. He was also actively involved in the work of the NEA, serving as a Steering Committee Bureau member from 1999 to 2005, including a term as Chair of the Steering Committee from 2004 to 2005. Prior to his experience at the DOE, Mr Magwood managed electric utility research and nuclear policy programmes at the Edison Electric Institute in Washington, DC, and was a scientist at Westinghouse Electric Corporation in Pittsburgh, Pennsylvania. Mr Magwood, a US national, holds Bachelor degrees in Physics and English from Carnegie Mellon University and a Master of Fine Arts from the University of Pittsburgh.

**Tuesday, 11/03/2020**  
**BBCollaborate Ultra**  
**12:00 PM**